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Title: JP04039859A2: SECONDARY BATTERY ELECTRODE

Derwent Title: Alkali metal electrode for sec. battery - includes carrier of carbon material, opt. alloying metal and polymer fibre binder [Derwent Record]

Country: JP Japan

Kind: A

Inventor: MIYABAYASHI MITSUTAKA;
HAYASHI MANABU;Assignee: MITSUBISHI PETROCHEM CO LTD
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Published / Filed: 1992-02-10 / 1990-06-04

Application Number: JP1990000144551

IPC Code: Advanced: H01M 4/02;

Core: more...

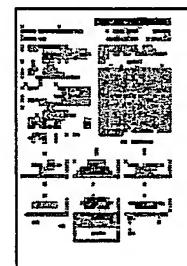
IPC-7: H01M 4/02; H01M 10/40;

Priority Number: 1990-06-04 JP1990000144551

Abstract: PURPOSE: To obtain a high capacity of electrode, excellent charge and discharge cycle property and flexibility by forming carrier composed of specific carbonaceous material and fiber-like organic high polymer binder to carry alkaline metal as active material thereon.

CONSTITUTION: Alkaline metal is carried as active material on carrier composed of a mixture of carbonaceous material and fiber-like organic high polymer binder. That is, the carrier composed of the carbonaceous material, satisfied by the ratio of hydrogen atoms to carbon atoms being less than 0.15, face-to-face spaces being 3.37Å or wider by a X-ray wide-angle diffracting method and the sizes of crystallites in a (c)-axial direction being 220Å or smaller, and the fiber-like organic high polymer binder is formed to carry alkaline metal as active material thereon. It is thus possible to obtain a flexible electrode for a secondary battery with a high capacity and excellent charge and discharge cycle property.

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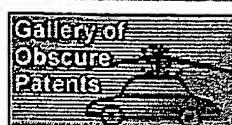
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| PDF | Patent | Pub.Date | Inventor | Assignee | Title |
|-----|-----------|------------|-----------|-----------------------------------|--|
| | US6706447 | 2004-03-16 | Gao; Yuan | FMC Corporation, Lithium Division | Lithium metal dispersion in secondary battery anodes |

Other Abstract
Info:



CHEMABS 116(14)132766C [DERABS C91-363111](#)



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